

TECH CENTER 1600/2300



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/901,996A

DATE: 02/28/2002

TIME: 13:24:25

Input Set : A:\BMID 9809US.ST25(Version 2).txt

Output Set: N:\CRF3\02282002\I901996A.raw

3 <110> APPLICANT: Dwulet, Francis  
4 McCarthy, Robert  
5 Balgobin, Neil  
7 <120> TITLE OF INVENTION: ENZYME/TAG BINDING AND DETECTION SYSTEM  
9 <130> FILE REFERENCE: BMID 9809US  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/901,996A  
C--> 11 <141> CURRENT FILING DATE: 2001-07-10  
11 <160> NUMBER OF SEQ ID NOS: 13  
13 <170> SOFTWARE: PatentIn version 3.0  
15 <210> SEQ ID NO: 1  
16 <211> LENGTH: 10  
17 <212> TYPE: PRT  
18 <213> ORGANISM: mammalian  
20 <220> FEATURE:  
21 <221> NAME/KEY: misc\_feature  
22 <222> LOCATION: (4)..(4)  
23 <223> OTHER INFORMATION: the amino acid at this position can be lysine or arginine  
26 <220> FEATURE:  
27 <221> NAME/KEY: misc\_feature  
28 <222> LOCATION: (5)..(5)  
29 <223> OTHER INFORMATION: the amino acid at this position can be glycine or alanine  
32 <220> FEATURE:  
33 <221> NAME/KEY: misc\_feature  
34 <222> LOCATION: (6)..(6)  
35 <223> OTHER INFORMATION: the amino acid at this position can be arginine, glycine or  
serin  
39 <400> SEQUENCE: 1  
W--> 41 Gly Pro Cys Xaa Xaa Xaa Phe Ile Arg Tyr  
42 1 5 10  
44 <210> SEQ ID NO: 2  
45 <211> LENGTH: 11  
46 <212> TYPE: PRT  
47 <213> ORGANISM: mammalian  
49 <220> FEATURE:  
50 <221> NAME/KEY: misc\_feature  
51 <222> LOCATION: (1)..(1)  
52 <223> OTHER INFORMATION: the amino acid at this position can be asparagine or glycine  
55 <220> FEATURE:  
56 <221> NAME/KEY: misc\_feature  
57 <222> LOCATION: (4)..(4)  
58 <223> OTHER INFORMATION: the amino acid at this position can be proline or threonine  
61 <220> FEATURE:  
62 <221> NAME/KEY: misc\_feature  
63 <222> LOCATION: (5)..(5)

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64 <223> OTHER INFORMATION: the amino acid at this position can be lysine or arginine  
 67 <220> FEATURE:  
 68 <221> NAME/KEY: misc\_feature  
 69 <222> LOCATION: (8)..(8)  
 70 <223> OTHER INFORMATION: the amino acid at this position can be asparagine or  
 aspartate  
 73 <400> SEQUENCE: 2  
 W--> 75 Xaa Gly Cys Xaa Xaa Ile Tyr Xaa Pro Val Cys  
 76 1 5 10  
 78 <210> SEQ ID NO: 3  
 79 <211> LENGTH: 9  
 80 <212> TYPE: PRT  
 81 <213> ORGANISM: snake venom  
 83 <220> FEATURE:  
 84 <221> NAME/KEY: misc\_feature  
 85 <222> LOCATION: (2)..(2)  
 86 <223> OTHER INFORMATION: the amino acid at this position can be arginine or leucine  
 89 <400> SEQUENCE: 3  
 W--> 91 Gly Xaa Cys Lys Ala His Ile Pro Arg  
 92 1 5  
 94 <210> SEQ ID NO: 4  
 95 <211> LENGTH: 9  
 96 <212> TYPE: PRT  
 97 <213> ORGANISM: plant protease inhibitors  
 99 <220> FEATURE:  
 100 <221> NAME/KEY: misc\_feature  
 101 <222> LOCATION: (1)..(1)  
 102 <223> OTHER INFORMATION: the amino acid at this position can be arginine or proline  
 105 <220> FEATURE:  
 106 <221> NAME/KEY: misc\_feature  
 107 <222> LOCATION: (2)..(2)  
 108 <223> OTHER INFORMATION: the amino acid at this position can be leucine or proline  
 111 <220> FEATURE:  
 112 <221> NAME/KEY: misc\_feature  
 113 <222> LOCATION: (4)..(4)  
 114 <223> OTHER INFORMATION: the amino acid at this position can be isoleucine or serine  
 117 <220> FEATURE:  
 118 <221> NAME/KEY: misc\_feature  
 119 <222> LOCATION: (5)..(5)  
 120 <223> OTHER INFORMATION: the amino acid at this position can be threonine or arginine  
 123 <400> SEQUENCE: 4  
 W--> 125 Xaa Xaa Arg Xaa Xaa Phe Ile Pro Asp  
 126 1 5  
 128 <210> SEQ ID NO: 5  
 129 <211> LENGTH: 11  
 130 <212> TYPE: PRT  
 131 <213> ORGANISM: plant protease inhibitors  
 133 <220> FEATURE:  
 134 <221> NAME/KEY: misc\_feature  
 135 <222> LOCATION: (5)..(5)

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136 <223> OTHER INFORMATION: the amino acid at this position can be lysine or arginine  
 139 <400> SEQUENCE: 5  
 W--> 141 Cys Ile Cys Thr Xaa Ser Ile Pro Pro Gln Cys  
 142 1 5 10  
 144 <210> SEQ ID NO: 6  
 145 <211> LENGTH: 10  
 146 <212> TYPE: PRT  
 147 <213> ORGANISM: bird egg white trypsin inhibitors  
 149 <220> FEATURE:  
 150 <221> NAME/KEY: misc\_feature  
 151 <222> LOCATION: (4)..(4)  
 152 <223> OTHER INFORMATION: the amino acid at this position can be lysine or arginine  
 155 <220> FEATURE:  
 156 <221> NAME/KEY: misc\_feature  
 157 <222> LOCATION: (7)..(7)  
 158 <223> OTHER INFORMATION: the amino acid at this position can be serine or lysine  
 161 <400> SEQUENCE: 6  
 W--> 163 Val Ala Cys Xaa Ile Leu Xaa Pro Val Cys  
 164 1 5 10  
 166 <210> SEQ ID NO: 7  
 167 <211> LENGTH: 10  
 168 <212> TYPE: PRT  
 169 <213> ORGANISM: bovine basic pancreatic trypsin inhibitor  
 171 <400> SEQUENCE: 7  
 173 Gly Pro Ser Lys Ala Arg Ile Ile Arg Tyr  
 174 1 5 10  
 176 <210> SEQ ID NO: 8  
 177 <211> LENGTH: 10  
 178 <212> TYPE: PRT  
 179 <213> ORGANISM: Soybean Kunitz protease inhibitor  
 181 <400> SEQUENCE: 8  
 183 Ser Pro Tyr Arg Ile Arg Phe Ile Ala Glu  
 184 1 5 10  
 186 <210> SEQ ID NO: 9  
 187 <211> LENGTH: 10  
 188 <212> TYPE: PRT  
 189 <213> ORGANISM: Soybean Bowman-Birk protease inhibitor  
 191 <400> SEQUENCE: 9  
 193 Ala Ser Thr Lys Ser Asn Pro Pro Gln Ser  
 194 1 5 10  
 196 <210> SEQ ID NO: 10  
 197 <211> LENGTH: 10  
 198 <212> TYPE: PRT  
 199 <213> ORGANISM: Sand Viper venom protease inhibitor  
 201 <400> SEQUENCE: 10  
 203 Gly Arg Ser Lys Ala His Ile Pro Arg Phe  
 204 1 5 10  
 206 <210> SEQ ID NO: 11  
 207 <211> LENGTH: 10

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Input Set : A:\BMID 9809US.ST25(Version 2).txt

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208 <212> TYPE: PRT  
209 <213> ORGANISM: Bovine secretory protease  
211 <400> SEQUENCE: 11  
213 Gly Ser Pro Arg Ile Tyr Asn Pro Val Ser  
214 1 5 10  
216 <210> SEQ ID NO: 12  
217 <211> LENGTH: 10  
218 <212> TYPE: PRT  
219 <213> ORGANISM: Chicken ovomucoid domain 3 protease  
221 <400> SEQUENCE: 12  
223 Val Ala Ser Arg Ile Leu Ser Pro Val Ser  
224 1 5 10  
226 <210> SEQ ID NO: 13  
227 <211> LENGTH: 10  
228 <212> TYPE: PRT  
229 <213> ORGANISM: Chicken ovomucoid domain 4 protease  
231 <400> SEQUENCE: 13  
233 Val Ala Ser Arg Ile Leu Leu Pro Val Ser  
234 1 5 10

## VERIFICATION SUMMARY

DATE: 02/28/2002

PATENT APPLICATION: US/09/901,996A

TIME: 13:24:26

Input Set : A:\BMID 9809US.ST25(Version 2).txt

Output Set: N:\CRF3\02282002\I901996A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6